

ABSTRACT OF THE DISCLOSURE

An optical device (12) includes a front surface located on the side of the sample to be observed and a rear surface oriented towards the elements for acquiring (18, 19) an image or a user. It further includes a combination of four aligned lenses. The lenses are arranged in the following sequence from the front rearwards: a plano-convex lens (28), a convexo-concave lens (30), a plano-concave lens (32) and a biconvex lens (34). The plano-concave (32) and the plano-convex lenses are respectively such that they each have a substantially planar surface and a concave surface or convex surface respectively. The invention is applicable to a cell analyzer.